

hthgu133acdf

April 9, 2025

i2xy

Convert (x,y)-coordinates to single-number indices and back.

Description

Convert (x,y)-coordinates on the chip (and in the CEL file) to the single-number indices used in AffyBatch and CDF environment, and back.

Usage

```
i2xy(i)  
xy2i(x,y)
```

Arguments

x	numeric. x-coordinate (from 1 to 744)
y	numeric. y-coordinate (from 1 to 744)
i	numeric. single-number index (from 1 to 553536)

Details

Type i2xy and xy2i at the R prompt to view the function definitions.

See Also

[hthgu133acdf](#)

Examples

```
xy2i(5,5)  
i = 1:(744*744)  
coord = i2xy(i)  
j = xy2i(coord[, "x"], coord[, "y"])  
stopifnot(all(i==j))  
range(coord[, "x"])  
range(coord[, "y"])
```

<i>hthgu133acdf</i>	<i>hthgu133acdf</i>
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Description

environment describing the CDF file

<i>hthgu133adim</i>	<i>hthgu133adim</i>
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Description

environment describing the CDF dimensions

Index

* datasets

hthgu133acdf, 2

hthgu133adim, 2

i2xy, 1

hthgu133acdf, 1, 2

hthgu133adim, 2

i2xy, 1

xy2i (i2xy), 1